

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 02/17/2006

DSR Number: 105-05-016K Project Number: _____

NRCS Entry Only

Eligible: YES ☒ NO ☐
Approved: YES ☒ NO ☐
Funding Priority Number (from Section 4) Jade
Limited Resource Area: YES ☐ NO ☒

Section 1B Sponsor Information

Sponsor Name: Consolidated Gravity Drainage District #1

Address: P. O. Box Box 31

City/State/Zip: Hammond, LA 70404

Telephone Number: (985) 542-4292

Fax: (985) 345-1821

Section 1C Site Location Information

County: Tangipahoa State: LA Congressional District: 01

Latitude: See Comments Longitude: See Comments Section: 23 Township: 7S Range: 8E

UTM Coordinates: 15

Drainage Name: W4 Main Big Branch Reach: 13686 Ft.

Damage Description: Debris is reducing the capacity of the Channel. Drainage is severely impeded. Debris consists mostly of trees.

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hurricane Katrina - August 29, 2005
Recovery measures would be for runoff retardation or soil erosion prevention?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Threat to life and/or property?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event caused a sudden impairment in the watershed?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Imminent threat was created by this event?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For structural repairs, not repaired twice within ten years?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Site Defensibility			
Economic, environmental, and social documentation adequate to warrant action (Go to pages 3, 4, 5 and 6 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Proposed action technically viable? (Go to Page 9 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES ☒ NO ☐

start: 30.43885, 090.36652 and : 30.4107, 090.3740

Comments: _____

* Statutory

** Regulation

*** DSR Pages 3 through 5 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.

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Section 1E Proposed Action

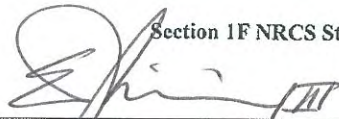
Describe the preferred alternative from Findings: Section 5 A:

Proposed Action- Remove debris from channel and banks, dispose on wooded Drainage District #1 Rights-Of-Way.

Total installation cost identified in this DSR: Section 3: \$ 235,839.40

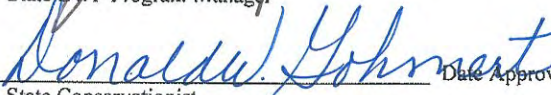
Section 1F NRCS State Office Review and Approval

Reviewed By:


State EWP Program Manager

Date Reviewed: 3/9/06

Approved By:


State Conservationist

Date Approved: 3/9/06

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202)720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW., Washington, DC 20250-9410, or call (800)795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternative Designation		
		Proposed Action	No Action	Alternative
		Use conventional equipment to remove debris, access only one side - place debris w/in wooded easement, not on lawn or pasture	Leave debris in stream	Remove all debris from channel and banks and haul to approved disposal areas. Access both sides.
2D Effects of Alternatives				
Soil				
Bank erosion	20 tons/acre - exposed soil from tree falls & uprooting	5 tons/acre - remove debris and allow to revegetate	20 tons/acre - potential damage from debris	5 tons/acre - remove debris and allow to revegetate
Soil quality	Soil quality reduced	Soil quality improved	Soil quality reduced	Soil quality improved
Compaction	N/A	slight increase due to equipment use	N/A	moderate increase due to equipment use
Water				
Downstream water rights	Will not have to drain Big Branch to remove debris	No Effect	No Effect	No Effect
DO	potential decrease in DO due to excess storm debris	increase DO through removal of excess storm debris	potential decrease in DO due to excess storm debris	increase DO through removal of excess storm debris
BOD	Raised BOD	Lower BOD	Raised BOD	Lower BOD
Petroleum products	attainment	Short-term increase during removal	attainment	Short-term increase during removal
Overall Stream Health	SVAP = 5.6 = Poor	SVAP = 6.1 = Fair	SVAP = 5.6 = Poor	SVAP = 6.1 = Fair
Air				
Particulate Matter/dust	no effect	slight increase during debris removal	no effect	moderate increase during debris removal
Plant				
Aquatic health/vigor	Poor due to low water quality	Increase function with improved water quality	Poor due to low water quality	Increased function with improved water quality
Riparian plant habitat	Excess debris causing damage	Improved with debris removal and revegetation	Slight increase over time	Improved with debris removal and revegetation
Animal				
Aquatic habitat	Impaired due to blockage and low water quality	Restore hydrologic flow regime & reestablish emergent veg.	Fish access restricted and low water quality	Restore hydrologic flow regime & reestablish emergent veg.
Upland habitat	Loss of riparian food/cover habitat	Restore riparian food/cover habitat	Loss of riparian food/cover habitat	Restore riparian food/cover habitat
Other				
Aesthetics	Poor due to clutter	Improved by removing clutter	Poor due to clutter	Improved by removing clutter

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Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	CWA jurisdiction - debris in channel affects water flow and water quality	CWA permit needed - improve water quality and restore hydrology	Continued decrease in water quality w/ debris decomposition and altered hydrology	CWA permit needed - improve water quality/restore hydrology
Coastal Zone Management Areas	Water flow patterns altered	Water flow patterns restored w/ minimal adverse impacts. CMD Consistency Authoriz. needed	Water flow patterns altered	Water flow patterns restored w/ minimal adverse impacts. Consistency Authoriz. needed
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	State level review - none observed on-site	State level review - none observed on-site	State level review - none observed on-site	State level review - none observed on-site
Endangered and Threatened Species	6 Federal T&E species listed for Parish in FOTG - bald eagle may forage in lower reaches	FWS consultation needed	N/A	FWS consultation needed
Environmental Justice	N/A	N/A	N/A	N/A
Essential Fish Habitat	(FOTG) No EFH - referenced NOAA	N/A	N/A	N/A
Fish and Wildlife Coordination	Debris in channel restricts water flow resulting in various impairments	Proposed action does not include modification of the channel	N/A	Alternative does not include modification of the channel
Floodplain Management	Big Branch is located within 100-year flood plain. Debris is increasing flood potential.	100-year floodplain function restored to pre-storm capacity	100-year floodplain function remains impaired	100-year floodplain function restored to pre-storm capacity
Invasive Species	Chinese privet, climbing fern, and Chinese tallow within floodplain	Disturbing vegetation during access or debris removal may increase chances of spread	Chinese privet, climbing fern, and Chinese tallow in area with potential to increase	Disturbing vegetation during access or debris removal may increase chances of spread
Migratory Birds	Slight decrease in quality of available food & cover due to storm event	Proposed action will not have a significant adverse effect on habitat	Excess debris contributes to increased flooding and decreased habitat quality	Minor adverse effects on habitat during access
Natural Areas	(FOTG) None present	N/A	N/A	N/A
Prime and Unique Farmlands	(FOTG) None present	N/A	N/A	N/A
Riparian Areas	Riparian habitat impacted by wind damage and flooding due to debris accumulation	Riparian habitat improved by debris removal and revegetation	Riparian habitat impacted by wind damage and flooding due to debris accumulation	Riparian habitat improved by debris removal and revegetation
Scenic Beauty	(FOTG) None present - no designated areas of Scenic Beauty within project area	N/A	N/A	N/A
Wetlands	Impacts natural wetland function due to debris in channel	Minimal impact to natural wetland hydrology downstream of project area	Impacts natural wetland function due to debris in channel	Minimal impact to natural wetland hydrology downstream of project area
Wild and Scenic Rivers	One (Tangipahoa River) listed in Parish, but does not occur in project area	N/A	N/A	N/A

Completed By: Robert Weihrouch

Date: 02/18/2006

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Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private)			
66 Houses @ \$150,000 ea.	9,900,000.00	25	2,475,000.00
18 Garages @ \$20,000 ea.	360,000.00	25	90,000.00
Properties Protected (Public)			
2 Bridges @ \$150,000 ea.	300,000.00	50	150,000.00
Business Losses			
1 - Business @ \$100,000 ea.	100000	25	25,000.00
Other			
Total Near Term Damage Reduction \$			2,740,000.00
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			2,504,160.60

Completed By: Mike Mullenex Date: 02/17/2006

Section 2G Social Consideration This section must be completed by each alternative considered**(attach additional sheets as necessary).**

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there the potential for loss of life due to damages from the watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Has access to a hospital or medical facility been impaired by watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Impairment increased flooding impacts throughout the community
Is there a lack or has there been a reduction of public safety due to watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Completed By: Mike Mullenex Date: 02/17/2006

DSR NO: _____
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Section 2H Group Representation and Disability Information

This section is completed only for the preferred alternative selected.

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	1
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	1
Asian Female Hispanic	1
Asian Female Non-Hispanic	1
Asian Male Hispanic	1
Asian Male Non-Hispanic	1
Black or African American Female Hispanic	1
Black or African American Female Non-Hispanic	34
Black or African American Male Hispanic	1
Black or African American Male Non-Hispanic	32
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	1
White Female Non-Hispanic	84
White Male Hispanic	1
White Male Non-Hispanic	78
Total Group	232

Census tract(s) US Census Bureau, Tangipahoa Parish, LA

Completed By: Mike Mullenex Date: 02/16/2006

*66 Houses
x 3.5 people
231 people*

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Section 21. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Access permission will be required.

Obtain a CWA permit prior to construction in channel.

Obtain a Water Quality Certification

Obtain a Consistency Authorization permit since the location is in a coastal zone.

FWS consultation required for possible bald eagle foraging

Mitigation Description:

Access debris from only one side of channel whenever possible. Debris will be disposed of on-site, approximately 20 feet away from the creek, but within the 100 foot Drainage District easement. Where lawns and pasture occur next to the streambank, debris will be moved to wooded areas or removed from the site. Remove Katrina related debris only. Action will be completed without interruption to minimize impacts on wildlife and nearby residents.

Agencies, persons, and references consulted, or to be consulted:

U.S. Army Corps of Engineers LDNR-CMD
USFWS
LA DEQ
LDWF
Tangipahoa Consolidated Gravity Drainage District #1
Tangipahoa Parish Government

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Section 3 Engineering Cost Estimate

Completed By: J.S. Weller

Date: 02/16/2005

This section must be completed by each alternative considered (attach additional sheets as necessary).

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost (\$)	Amount (\$)
Proposed Action- Remove debris from channel and banks, dispose on wooded Drainage District #1 Rights-Of-Way. Haul debris to approved disposal areas where ROW's are open. Work from most appropriate side only with conventional equipment.				0.00
Channel Obstruction Removal Light debris, on site disposal	3326	Lin. Ft.	8.00	26,608.00
Mobilization and Demobilization	1	Lump Sum	10,000.00	10,000.00
Seeding, Sprigging and Fertilization	6	Acres	200.00	1,260.00
Channel Obstruction Removal light debris, haul to disposal area.	1,141	Lin. Ft.	17.10	19,511.10
Channel Obstruction Removal moderate debris, on- site disposal	3,707	Lin. Ft.	10.00	37,070.00
Channel Obstruction Removal moderate debris, haul to disposal area.	2,091	Lin. Ft.	20.50	42,865.50
Channel Obstruction Removal heavy debris, haul to disposal area.	3,421	Lin. Ft.	28.80	98,524.80
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
Total Installation Cost (Enter in Section 1F)\$				235,839.40

Unit Abbreviations:

AC	Acre	LS	Lump Sum
CY	Cubic Yard	SF	Square Feet
EA	Each	SY	Square Yard
HR	Hour	TN	Ton
LF	Linear Feet		Other (Specify)

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Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		1 a, d, e
2. Is this a site where there is serious, but not immediate threat to human life?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4. Is this site a funding priority established by the NRCS Chief?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
The following are modifiers for the above criteria			Modifier	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?			a	
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?			d	
e. Will the proposed action or alternatives maintain or improve current water quality conditions?			e	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?				

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

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Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

Proposed Action- Remove debris from channel and banks, dispose on wooded Drainage District #1 Rights-Of-Way.

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

☒ Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
Chapter 5.2.2.1.2
Chapter 5.2.2.2.2
Chapter _____
Chapter _____
Chapter _____

_____ May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title: _____

Date: _____

3/1/04

Section 5B Comments:

Section 5C

Sponsor Concurrence:

Sponsor Representative

Title: _____

Date: _____

Administrator

03/01/06

Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

TOPO MAP
DSR 105-05-016K
Big Branch W4 Main
Tangipahoa Parish
Estimated Total Reach Length 13,686 LF

